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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Street	1	of	9	Attorney Docket Number	SPLX.P0133
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U.S. PATENT APPLICATIONS

Examiner Name	Cite No.	U.S. Patent Application Number (Serial Number)	Name of Patentee or Applicant (if cited elsewhere)	Date of U.S.A. 14a9A/PTO	Related Application Information
BT	1.	10/066,080	SPLX.P0072	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	2.	10/066,160	SPLX.P0073	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	3.	10/066,095	SPLX.P0074	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	4.	10/036,047	SPLX.P0075	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	5.	10/061,641	SPLX.P0079	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	6.	10/050,094	SPLX.P0080	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	7.	10/070,121	SPLX.P0081	02-12-2002	Application with similar, but not identical, specification and drawing as the present application.
	8.	10/082,085	SPLX.P0105	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	9.	10/056,102	SPLX.P0106	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	10.	10/250,584	CN.P0037	01-31-2002	
	11.	10/335,087	CN.P0038	12-31-2002	
BT	12.	10/335,239	CN.P0039	12-31-2002	

Examiner Signature	<i>B. Holt</i>	Date: Confidentiality:	11/16/04
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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/666,167
				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2825
				Examiner Name	Tai, B.
Sheet 2 of 6				Attorney Docket Number	SFLX:PB133
U.S. PATENT APPLICATIONS					
<input checked="" type="checkbox"/> 13. 10/335,086 CDN:PU040 Steven Teig et al. 12/31/2002					

FOREIGN PATENT DOCUMENTS						
Examiner's Initials	Case No.	Foreign Patent Document Office Number	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of said Document	Pages, Columns, Lines, Which Relates Passages or Relevant Figures Appear	✓
BT	14.	JP 11-298580	10-29-1999	Matsuimoto et al.	With English translation of Abstract	
	15.	JP 2000-082743	03-21-2000	Inarashi et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.	
	16.	JP 64-15947	01-19-1986	Ouchi	With English translation of Abstract	
	17.	JP 03-173471	07-26-1991	Tawada et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	18.	JP 04-000877	01-08-1992	Fujiwara et al.	With English translation of Abstract	
	19.	JP 05-102303	04-23-1993	Seto	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
BT	20.	JP 05-243370	08-21-1993	Kubota	With Japanese Patent Office's English translation of Abstract; and with English	✓

Examiner Signature	<i>B. Biales</i>	Date Considered	11/16/04
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Substitute for Form 1449A-PTO				Application Number	10/666,187
				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2825
				Examiner Name	Tat, B.
Sheet	2	of	9	Attorney Docket Number	SPLX:FO133
U.S. PATENT APPLICATIONS					
13.	10/335,086	CDN.PU040	Steven Teig et al.	12-31-2002	

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Office	Foreign Patent Document Number	Kind Code (if known)	Date of Publication MM-DD-YYYY	Names of Patentee(s) or Applicant(s) of Document
	14. JP	11-306580		10-29-1999	Matsuimoto et al.
	15. JP	2000-082743		03-21-2000	Igarashi et al.
	16. JP	04-15947		01-19-1986	Ouchi
	17. JP	03-173471		07-26-1991	Tawada et al.
	18. JP	04-000677		01-06-1992	Fujikawa et al.
	19. JP	05-102305		04-23-1993	Sato
	20. JP	05-243379		09-21-1993	Kubota

Examiner Signature	Date Considered

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)					Application Number 10/066,167
Sheet 2 of 5					Filing Date 1/31/2002
					First Named Inventor Steven Teig et al.
					Group Art Unit 2825
					Examiner Name Tal B.
					Attorney Docket Number SFLX:FB133
U.S. PATENT APPLICATIONS					
13. 10/335,086 CDN.P0040 Steven Teig et al. 12/31/2002					

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FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite. No.	Foreign Patent Document Number	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Patent, Translation, Links, Written Remarks, Passages or Received Figures Appear With English Translation of Abstract
14.	JP	11-200580	10-29-1999	Matsuimoto et al.	With English translation of Abstract
15.	JP	2000-082743	03-21-2000	Inarashi et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
16.	JP	64-15947	01-19-1986	Ouchi	With English translation of Abstract
17.	JP	03-173471	07-26-1991	Tawada et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
18.	JP	04-000677	01-08-1992	Fujisawa et al.	With English translation of Abstract
19.	JP	05-102303	04-23-1993	Seto	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
20.	JP	05-243379	09-21-1993	Kubota	With Japanese Patent Office's English translation of Abstract; and with English

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO: INFORMATION DISCLOSURE STATEMENT BY APPLICANT (box 38 may sheets as necessary)				Application Number	10/060,167
				Filing Date	1/3/2002
				First Named Inventor	Steven J. Blum et al.
				Group Art Unit	3825
				Examiner Name	Tat. B.
Sheet	3	of	9	Attorney/Counselor Number	SPUX-PO133
FOREIGN PATENT DOCUMENTS					
					translation of the application, with Japanese Patent Office's English translation of Abstract, and with English translation of the application.
21.	JP	07-086407	03-33-1995	Miura	✓
22.	JP	09-152270	06-20-1997	Yoshida	✓

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NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials	Ref. No.	Include name of the author, in CAPITAL LETTERS, where the article (when appropriate), title of the book (incl. magazine, journal, serial, symposium, database, etc.), date, page(s), volume/issue number(s), edition, city and name of the publisher.			
BT	23.	Chen, H. C. et al., A Faster Algorithm for Rubber-Band Equivalent Transformation for Planar VLSI Layouts, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, Vol. 15, No. 2, February 1996, pp. 217-227.			
	24.	Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, Vol. 26, Issue: SA, pp. 929-933.			
	25.	Deyan, T. et al., Layer Assignment for Pitcher Board Routing, UCSC-CRL-94-04, January 20, 1993.			
	26.	Deyan, T., Rubber-Band Based Topological Router, A Dissertation, UC Santa Cruz, Calif. 1997.			
	27.	Doud, P. et al. A Two-Dimensional Topological Compactor with Octagonal Geometry, 28 th ACM/IEEE Design Automation Conference, pp. 727-737, July 1991.			
	28.	Fujimura, K. et al. Homotopic Shape Unification.			
BT	29.	Hama, T. et al., Curvilinear Detailed Routing Algorithm and its Extension to Wire-Spreading and Wire-Fattening.			

Examiner Signature	Bhlat	Date Considered	11/16/04
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Information Disclosure Statement by Applicant <small>Please use as many sheets as necessary</small>				Application Number	10/066,182
				Filing Date	1/31/2002
				First Name & Inventor	Steven T. Tsai et al.
				Group Art Unit	2825
				Examiner Name	Tai, B.
Sheet	4	of	9	Attorney Docket Number	SPIX.P0133
NON-PATENT LITERATURE DOCUMENTS					
Reference Number	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the book, magazine, journal, serial, symposium, name, city, state, volume(s) or number(s), publisher, city, state, country where published.			
30.	30.	Tsai, T. et al., Topological Routing Path Search Algorithm with Incremental Routability Test, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 18, No. 2, February 1999, pp. 142-150.			
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	32.	Elm, A. et al., A Fast Algorithm To Test Planar Topological Routability, Technical Report 94-012, pp. 1-16.			
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	36.	EN 710813-16, Use of Relatively Circular And Rectangular Wiring Stories in Multilayer Packages, September 1971, IBM Technical Disclosure Bulletin, Vol. No. 14, Issue No. 4, pp. 1316-1317.			
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	38.	Stampalija, D. et al., Surf: A Rubber-Band Routing System for Multichip Modules, pp. 79-91, 1993.			
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	43.	Xu, M.-F. et al., A More Efficient Distance Vector Routing Algorithm, UCSC-CRL-90-16, March 1990.			
PA	44.	Yu, M.-F. et al., Fast and Incremental Routability Check of a Topological Routing Using a Cut-Based Encoding, UCSC-CRL-07-07, April 14, 1997.			

Examiner Signature	<i>Robert</i>	Date Considered	01/16/04
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Examiner's Office (1449AV/ETC)				Application Number	10/060,187
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/31/2003
				First Named Inventor	Steven Tolg et al.
				Group Art Unit	2725
				Examiner Name	Tal, B.
Sheet	5	of	6	Attorney Docket Number	SPLX.R0133

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46.	Yu, M.-F. et al., Pin Assignment and Routing on a Single-Layer Pin Grid Array, UCSC-CRL-95-15, February 24, 1995.
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49.	Khoja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.
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54.	Berger, B. et al., Nearly Optimal Algorithms and Bounds for Multilayer Channel Routing, Journal of the Association for Computing Machinery, pp. 500-542, March 1995.
55.	Brady, L. et al., Channel Routing on a 3D Grid, extended abstract, pp. 626-631.
56.	Carethers, K., A Method of Measuring Net Reliability for MCNC's General Area Routing Program, 1999, pp. 186-192.
57.	Chen, D.-S. et al., A Wire-Length Minimization Algorithm for Single-Layer Layouts.
58.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Minchuan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions, Volume: 13 Issues, pp. 803-809.
59.	Chen, H., Routing L-Shaped Channels in Nanelling Structure Placement, 24 th ACM/IEEE Design Automation Conference, pp. 152-145, 1987.

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Examiner Signature	<i>B. Tolg</i>	Date Considered	11/16/04
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Supplement for Form 1449A/PTO			Application Number	10/068,137	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	1/31/2002	
(use as many sheets as necessary)			First Named Inventor	Steven Teig et al.	
Sheet	6	of	9	Group Art Unit	2825
				Examiner Name	Tat, B.
				Attorney Docket Number	SPUX.P0153

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Examiner Signature	<i>M. h. 1. et</i>	Date Considered	11/16/04
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Substitute for Form 1469A/PTO				Application Number	10/066,167
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/31/2002
(use as many sheets as necessary)				First Named Inventor	Steven T. Lin et al.
Sheet:	7	of	9	Group Art Unit	2825
				Examiner Name	THI, B.
				Attorney Docket Number	SPLX.FM133

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Examiner Signature	<i>M. Lin</i>	Date Considered	11/16/04
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Substitute for form 1449A/PTO			Application Number	110066,187	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	1/31/2002	
(use as many sheets as necessary)			First Named Inventor	Steven Teig et al.	
			Group Art. Unit	2825	
			Examiner Name	Teig, B.	
Sheet	8	of	9	Attorney Docket Number	SPLX.P0133

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Examiner Signature	<i>AB</i>	Date Considered	11/16/04
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Sheet	9	of	9	Attorney Docket Number	SPLX:P0133
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Title of Invention	Method and apparatus for routing a set of nets						
Application Number:	10/066187						
Confirmation Number:	5277						
First Named Applicant:	Steven Teig						
Attorney Docket Number:	SPLX.P0133						
Art Unit:	2825						
Examiner:	Binh C. Tat						
Search string:	(4615011 or 4782193 or 5633479 or 5634093 or 5635736 or 6128767 or 6219823 or 6226560 or 6262487 or 6295634 or 6436804 or 6490713 or 6546540 or 6645842 or 4673966 or 4855929 or 5360948 or 5375069 or 5532934 or 5578840 or 5618744 or 5636125 or 5637920 or 5650653 or 5657242 or 5663691 or 5717600 or 5723908 or 5742086 or 5757089 or 5757656 or 5777360 or 5811863 or 5822214 or 5838583 or 5859449 or 5889329 or 5889677 or 5898597 or 5914887 or 5973376 or 5980093 or 6035108 or 6038383 or 6058254 or 6067469 or 6068662 or 6088519 or 6111756 or 6123736 or 20020104061 or 20020108009 or 20020107711 or 20020182844 or 20030005399 or 20030188281 or 20010003843 or 20020174473 or 20030025205 or 20030121017).pn..						
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Init	Cite No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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PN	2	4782193	1988-11-01	Linsker			

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US Published Applications:

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1	20020104061	2001-11-30	Xing et al.	A1			
2	20020100009	2002-07-25	Xing et al.	A1			
3	20020102711	2002-08-08	Xing et al.	A1			
4	20020182844	2002-12-05	Igarashi et al.	A1			
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6	20030188281	2003-10-02	Xing	A1			
7	20010003845	2001-06-14	Scepanovic et al.	A1			
8	20020174413	2002-11-21	Tanaka	A1			
9	20030025209	2003-02-06	Shively	A1			
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